

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/048490 A1

(51) International Patent Classification⁷: **H04B 7/26**
(21) International Application Number:
PCT/KR2004/002956

(22) International Filing Date:
15 November 2004 (15.11.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0080434
14 November 2003 (14.11.2003) KR

(71) Applicant (for all designated States except US): **SK
TELECOM CO., LTD.** [KR/KR]; 99, Seorin-dong,
Jongro-gu, Seoul, 110-110 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KIM, Younglak**
[KR/KR]; 104-1306, Shinil Apt., Unnam-ri, Guseong-eup,
Yongin-si, Gyeonggi-do, 449-915 (KR). **SHIN, Sungho**
[KR/KR]; 103-2501, Taeyoung Apt., 660, Daeheung-dong,
Mapo-gu, Seoul, 121-080 (KR). **IHM, Jongtae** [KR/KR];
304-502, Dongsin Apt., Imae-dong, Bundang-gu, Seong-
nam-si, Gyeonggi-do, 463-797 (KR).

(74) Agents: **LEE, Chulhee** et al.; 14F, Hyundai Marine &
Fire Insurance, Bldg., 646, Yeoksam-dong, Gangnam-gu,
Seoul, 135-080 (KR).

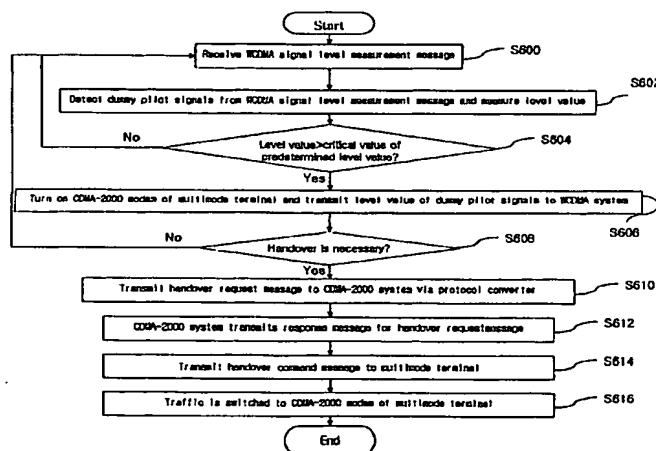
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR HAND-OVER FROM WIDEBAND CODE DIVISION MULTIPLE ACCESS NETWORK TO CODE DIVISION MULTIPLE ACCESS NETWORK BY USING DUMMY PILOT SIGNAL



(57) Abstract: Disclosed are a method and a system for handover from a WCDMA network to a CDMA-2000 network by using a dummy pilot signal. The method comprises the steps of: a) a multimode terminal receiving a WCDMA signal level measurement message, turning on a CDMA-2000 modem mounted on the multimode terminal and transmitting a level value of the dummy pilot signal to a WCDMA system, when detecting the dummy pilot signal above a specific level from the WCDMA signal level measurement message; b) the WCDMA system determining whether to perform a handover or not based on the level value of the dummy pilot signal; c) the WCDMA system transmitting a handover request message to a CDMA-2000 system when it is determined to perform the handover; d) transmitting a handover command message from the WCDMA system to the multimode terminal; and e) allowing traffic to be switched to the CDMA-2000 modem of the multimode terminal.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.